

Substitute for form 1449-PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/820,679-Conf. #8534	
			Filing Date	April 8, 2004	
			First Named Inventor	Ian Hunter	
			Art Unit	1797	
			Examiner Name	A. Soderquist	
Sheet	1	of	9	Attorney Docket Number	65689CPDV(43382)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA*	US-2004/015152A	09-06-2004	Hunter et al.	
	AD*	US-2002/006154A	01-09-2002	Hess et al.	
	AG*	US-6,016,690	11-02-2004	Orbell et al.	
/AS/	AD*	US-5,427,908	06-27-1995	Dower et al.	
	AE*	US-5,580,717	12-03-1996	Dower et al.	
	AF*	US-4,663,163	05-05-1987	Hou et al.	
	AG*	US-5,585,275	12-17-1996	Hudson et al.	
	AH*	US-5,576,220	11-19-1996	Hudson et al.	
	AI*	US-6,107,059	08-22-2000	Hart	
	AJ*	US-5,242,974	09-07-1993	Holmes	
/AS/	AK*	US-4,701,304	10-20-1987	Horn et al.	
	AL*	US-2001/019201A-1	07-30-2001	Hamill	
	AM*	US-2001/019201A-1	07-30-2001	Hamill	
	AN*	US-2001/019201A-1	07-30-2001	Hamill	
	AO*	US-2001/019201A-1	07-30-2001	Hamill	
	AP*	US-2003/021371A	11-27-2003	Ardeser et al.	
	AP*	US-6,895,695	07-16-2005	Chenig et al.	
/AS/	AQ*	US-6,844,161	01-18-2005	Siani et al.	
	AR*	US-6,578,476	06-16-2003	Wagner et al.	
/AS/	AS*	US-6,429,025	08-06-2002	Parce et al.	
	AT*	US-6,106,693	06-16-2002	Gluckman et al.	
	AU*	US-2004/024160A	12-02-2004	Michnick et al.	
/AS/	AV*	US-5,491,083	02-13-2006	Arentzen et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AS/	BA	WO-99/61152-A1	12-02-1999	MJ Research, Inc.	
	BB	WO-2004/074016-A2	03-02-2004	BioProve, Inc.	
	BC	WO-00/51733	09-06-2000	Glaxo Group Ltd et al.	
	BD	WO-01/67086	11-28-2001	Lilly Co et al.	
	BE	WO-01/36363	03-31-2001	Diversa Corp	
	BF	WO-01/61054	06-23-2001	Univ Leland Stanford Junior et al.	

Examiner Signature	/Arlen Soderquist/	Date Considered	05/05/2009
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	AW	US-2003/0170610	09-11-2003	Gima et al.	
/AS/	AX*	US-5,433,975	07-18-1995	Roberts et al.	
	AY*	US-5,322,019	06-21-1994	Hyland	
	AZ*	US-5,175,209	12-29-1992	Beattie et al.	
	AA1*	US-5,722,370	03-03-1998	Koike et al.	
	AB1*	US-6,015,880	01-18-2000	Baldeschwieler et al.	
	AC1*	US-6,103,479	08-15-2000	Taylor	
	AD1*	US-6,136,592	10-24-2000	Leighton	
	AE1*	US-6,309,600	10-30-2001	Hunter	
	AF1*	US-2002/0049196	04-25-2002	Carpino et al.	
	AG1*	US-5,152,060	10-06-1992	Schubert et al.	
	AH1*	US-3,997,396	12-14-1976	Delente	
	AI*	US-5,373,803	12-20-1994	Noguchi et al.	
	AJ1*	US-5,906,683	05-25-1999	Chen et al.	
	AK1*	US-1,236,137	08-01-1917	Bastow	
	AL1*	US-2,745,001	05-01-1956	Guth	
	AM1*	US-3,170,980	02-01-1965	Pritchard	
	AN1*	US-3,864,512	02-04-1975	Meadow	
/AS/	AO1*	US-4,110,165	08-29-1978	Cole et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	BG	WO-00/50426	09-20-2000	Gemencor Int.	
/AS/	BH	WO-99/55461	11-04-1999	Corning Inc	
	BI	JP-63107057	05-12-1988	Hitachi Ltd	
	BJ	WO-97/00941	01-09-1997	Univ Utah Res Found	
/AS/	BK	WO-97/00943	01-09-1997	Bnfl Fluorchem Ltd et al.	
	BL	WO-02/07764	11-07-2002	Biotrove Inc	

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/AS/	AP1*	US-5,382,985	01-17-1995	Becker et al.	
	AQ1*	US-3,043,669	07-10-1962	Charles	
	AR1*	US-4,007,010	02-08-1977	Woodbridge, III	
	AS1*	US-4,065,263	12-27-1977	Woodbridge, III	
	AT1*	US-4,273,877	06-16-1981	Anagnostopoulos et al.	
	AU1*	US-4,990,459	02-05-1991	Maeda et al.	
	AV1*	US-5,009,846	04-23-1991	Gavet et al.	
	AW1*	US-5,108,926	04-28-1992	Klebe	
	AX1*	US-5,466,583	11-14-1995	Thomson et al.	
/AS/	AY1*	US-6,083,682	07-04-2000	Campbell et al.	
	AZ1*	US-6,614,769	08-04-2008	Gordenkremer et al.	
	AA2*	US-6,736,886	05-08-2004	Brown et al.	
/AS/	AB2*	US-5,710,381	01-20-1998	Atwood et al.	
/AS/	AC2*	US-5,475,610	12-12-1995	Atwood et al.	
/AS/	AD2*	US-5,602,756	02-11-1997	Atwood et al.	
	AE2*	US-6,767,686	05-18-2004	Bergh et al.	
/AS/	AF2*	US-4,453,805	06-12-1984	Ashkin et al.	
	AG2*	US-4,613,573	09-23-1986	Shibayama et al.	
	AH2*	US-4,683,195	07-28-1987	Mullis et al.	
	AI2*	US-4,683,202	07-28-1987	Mullis	
	AJ2*	US-4,734,192	03-29-1988	Champion et al.	
/AS/	AK2*	US-4,861,722	08-29-1989	Sano et al.	

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	BW	WO-02/30301	04-18-2002	Diorove Inc. et al.	
	BN	WO-99/02220	01-05-2000	Diorove Inc.	
	BQ	DE-198-46-884	09-28-1998	Deepe, et al.	
/AS/	BP	EP-0 236 069	09-09-1987	Cetus Corporation	
/AS/	BQ	EP-0 402 888	12-19-1990	Behringwerke	
	BR	WO-02/78834	10-10-2002	Genospectra, Inc.	

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/AS/	AL2*	US-4,893,886	01-16-1990	Ashkin et al.	
	AM2*	US-4,932,806	06-12-1990	Eklund et al.	
	AN2*	US-4,965,188	10-23-1990	Mullis et al.	
	AO2*	US-5,038,852	08-13-1991	Johnson et al.	
	AP2*	US-5,100,627	03-31-1992	Buican et al.	
	AQ2*	US-5,192,980	03-09-1993	Dixon et al.	
	AR2*	US-5,219,727	06-15-1993	Wang et al.	
	AS2*	US-5,229,163	07-20-1993	Fox	
	AT2*	US-5,234,665	08-10-1993	Ohta et al.	
	AU2*	US-5,310,652	05-10-1994	Gelfand et al.	
	AV2*	US-5,322,770	06-21-1994	Gelfand	
	AW2*	US-5,333,675	08-02-1994	Mullis et al.	
	AX2*	US-5,407,800	04-18-1995	Gelfand et al.	
	AY2*	US-5,411,876	05-02-1995	Bloch et al.	
	AZ2*	US-5,455,008	10-03-1995	Earley et al.	
	AA3*	US-5,476,744	12-19-1995	Anno et al.	
	AB3*	US-5,476,774	12-19-1995	Wang et al.	
	AC3*	US-5,492,806	02-20-1996	Drmanac et al.	
	AD3*	US-5,504,007	04-02-1996	Haynes	
V	AE3*	US-5,508,197	04-16-1996	Hansen et al.	
	AF3*	US-5,525,464	06-11-1996	Drmanac et al.	
/AS/	AG3*	US-5,538,848	07-23-1996	Livak et al.	

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		Country Code ³ Number-Kind Code ² (if known)			
	DS	WO-00/01736	01-13-2000	Cartesian Technologies, Inc.	
	BT	WO-02/20394	04-04-2002	Picoliter Inc.	
	DU	WO-02/46136	03-23-2002	Herfurth Laser Technology Ltd	
	DV	WO-02/35133	07-10-2002	Sequenom, Inc.	

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BW	WO 89/06982			11-18-2002	Massachusetts Institute of Technology		
BX	WO 89/05283			05-04-2000	Sequenom Inc.		
DY	WO 89/42097			03-22-2003	Genospectra, Inc.		
DZ	WO 84/16164			09-04-2004	Biotech, Inc.		

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	AA4*	US-5,554,999	06-10-1996	Gozette et al.	
	AD4*	US-5,561,860	10-01-1996	Gelfand et al.	
	AG4*	US-5,561,871	10-01-1996	Hollenberg et al.	
	AD4*	US-5,590,999	01-14-1997	Hubbell et al.	
	AE4*	US-5,611,901	06-24-1997	Hunter et al.	
	AF4*	US-5,656,400	06-12-1997	Mullis et al.	
	AG4*	US-5,667,972	06-16-1997	Ormanac et al.	
	AI4*	US-5,729,823	08-24-1998	Hoff et al.	
	AI4*	US-5,750,233	07-14-1998	Sau et al.	
	AI4*	US-5,795,696	07-29-1998	Saubert et al.	
	AK4*	US-5,871,608	02-10-1999	Monroe et al.	
	AL4*	US-5,879,692	02-09-1999	Demers	
	AM4*	US-5,937,042	04-27-1999	Bunn et al.	
	AN4*	US-5,959,997	07-27-1999	Woodenberg et al.	
	AG4*	US-5,942,492	06-24-1999	Smith et al.	
	AF4*	US-5,952,310	10-05-1999	Beauch et al.	
	AG4*	US-5,994,866	11-09-1999	Higuchi	
	AN4*	US-6,061,560	12-14-1999	Schellenberger	
	AS4*	US-6,020,141	02-01-2000	Paroliens et al.	
	AT4*	US-6,086,825	07-11-2000	Sundberg et al.	
/AS	AU4*	US-6,088,100	07-11-2000	Brenan et al.	
/AS	AV4*	US-6,090,251	07-18-2000	Sundberg et al.	
/AS	AW4*	US-6,106,199	06-15-2000	Bjornson et al.	
	AX4*	US-6,106,566	10-24-2000	Sando et al.	
	AY4*	US-6,149,815	11-21-2000	Gaster	
/AS	AZ4*	US-6,174,670	01-16-2001	Wittwer et al.	
/AS	AA5*	US-6,197,563	03-06-2001	Erich et al.	
	AB5*	US-6,233,473-B1	03-22-2001	Friedman et al.	
	AG5*	US-6,245,565	03-12-2001	Toed et al.	
	AD5*	US-6,251,048	03-26-2001	Babrow et al.	
	AE5*	US-6,271,024	03-07-2001	Sve et al.	
	AF5*	US-6,266,792	10-02-2001	Bjornson et al.	
/AS	AG5*	US-6,284,113	09-04-2001	Bjornson et al.	
	AI6*	US-6,312,100-B1	11-06-2001	Halozek	

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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 5px 0;">(Use as many sheets as necessary)</p>		<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Application Number</td> <td>10/820,679-Conf. #8534</td> </tr> <tr> <td>Filing Date</td> <td>April 8, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Ian Hunter</td> </tr> <tr> <td>Art Unit</td> <td>1797</td> </tr> <tr> <td>Examiner Name</td> <td>A. Soderquist</td> </tr> <tr> <td>Attorney Docket Number</td> <td>65689CPDV(43382)</td> </tr> </table>		Application Number	10/820,679-Conf. #8534	Filing Date	April 8, 2004	First Named Inventor	Ian Hunter	Art Unit	1797	Examiner Name	A. Soderquist	Attorney Docket Number	65689CPDV(43382)
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	AK5	US-6,337,435	01-08-2002	Chu et al.	
	AK5	US-6,355,774-D1	09-05-2002	Goldenberg et al.	
/AS/	AK5*	US-6,391,559	05-21-2002	Brown et al.	
	AL5*	US-6,698,696	03-04-2002	Bass	
	AM6*	US-6,393,952	03-04-2002	Maher et al.	
	AN5*	US-6,464,166	06-11-2002	Puchiano et al.	
/AS/	AO5*	US-6,410,331	06-25-2002	Schultz et al.	
	AP5	US-6,454,924	09-24-2002	Jedzjewski et al.	
	AG5*	US-6,495,699	11-06-2002	Pfist et al.	
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	AD5*	US-6,602,702	01-27-2004	Barth et al.	
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	AP5*	US-6,889,858	01-10-2002	O'Connor et al.	

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Substitute for form 1449/PTO			Complete if Known Application Number 10/820,679-Conf. #8534 Filing Date April 8, 2004 First Named Inventor Ian Hunter Art Unit 1797 Examiner Name A. Soderquist Attorney Docket Number 65689CPDV(43382)	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				
Sheet	8	of	9	

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AS/	AQ6*	US-200200115994	02-07-2002	Schellenberger et al.	
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	AS6*	US-20020094935	01-16-2002	Hess et al.	
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	AJ7*	US-20040200700	10-01-2004	Linton et al.	
	AK7*	US-20040235005	11-23-2004	Friedlander et al.	
	AL7*	US-20050007200	00-10-2000	Shapman et al.	
	AM7*	US-20050134100	00-01-2000	Brews et al.	
	AN7*	US-20060105400	06-10-2006	Bickmore et al.	

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		Filing Date	April 8, 2004
		First Named Inventor	Ian Hunter
		Art Unit	1797
		Examiner Name	A. Soderquist
		Attorney Docket Number	65689CPDV(43382)
Sheet	9	of	9

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/AS/	CA	CRC Handbook of Chemistry and Physics, Ed. Robert C. Weast, Ph.D. 65th Edition. 1984-1985. PPF-20 - F-35.	
/AS/	CB	Adlercreutz et al., "Oxygen Supply to Immobilized Cells," <i>European Journal of Applied Microbiology Biotechnology</i> , Vol. 16 pp. 165-170 (1982)	
	CC	KAMICAN et al., "Living Chips for Drug Discovery", <i>3526 Proc. SPIE</i> 172-180 (2000).	
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	CE	Gosnowski, Luke, "Manufacturing Methods for High Density Micro-Channel Arrays" (June 2000) (Master's Thesis) (Massachusetts Institute of Technology Dept of Mechanical Engineering).	
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	CJ	Gulino, Cooper, Applications of microarray technology in breast cancer research, <i>6(6) Breast Cancer Res.</i> 160-76 (2004).	
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